

F. HOMOPTERA.

XVI. *A new Southern Nigerian Aleurodes (Aleurodidae).*

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PLATE XIX, facing p. 531, Fig. 1.

***Aleurodes africanus*, sp. n.**

Pupa Case (fig. 1a). Flat, broadly ovate, segmentation distinct; dorsum very finely rugose, the rugosities very narrowly separated by extremely fine striae arranged somewhat radially; anal furrow distinct. Fringe or other secretory matter absent. Colour dark brown or black with a broad, clearly defined, translucent margin; stigmatic clefts and anal furrow dusky white and clearly defined; vasiform orifice pale yellow. Margin (fig. 1b) very faintly crenulated and with fine but well-marked sutures or striae. Dorsal pores (fig. 1c) small, forming an irregular series just within the striated border. Eye-spots (fig. 1d) small. Vasiform orifice (fig. 1e) somewhat subcordate; the operculum filling a little more than half the orifice; lingula, when fully extended, projecting almost to the distal margin of the orifice, densely setose and furnished with a pair of short spinose hairs arising from a subapical collar of chitin. Stigmatic clefts (fig. 1f) well defined, terminating with three short, dactyliform processes. Anal cleft (fig. 1g) with two pairs of processes; the distal pair similar to the corresponding ones in the stigmatic clefts; the proximal pair somewhat triangular.

Length, 1.2-1.3 mm.; width, 1.1-1.2 mm.

Larva, second instar. Narrowly ovate; margin similar to that of the pupa case. Vasiform orifice with the operculum transversely elliptic and not quite extending to the middle distance, central area of the distal edge very finely spinose; lingula as in the pupa. Anal furrow distinct, distal angles each with a slender spinose hair; there is also a similar spinose hair at the margin considerably in advance of them.

Length, 0.6-0.7 mm.

W. AFRICA: S. Nigeria, Moor Plantation, nr. Ibadan, May, 1917. C. O. Farquharson.

[The *Aleurodes*, attached to the under surface of the leaves of *Salacia* sp. (*Celastraceae*), in Farquharson's compound, formed the food of the carnivorous Noctuid (*Eras-triinae*) larva of *Eublemma scitula* (pp. 407-408.—E.B.P.)

The pupa-case of this insect does not agree in all its details with any of the new genera erected by Quintance

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and Barker.* I have therefore placed it in the genus *Aleurodes*, from which it differs, however, in having the "submarginal area" faintly separated from the "dorsal disk" and also in its form and colour.

* Classification of the Aleurodidae, U.S. Dept. Agr. Tec. Ser. No. 27, Pt. ii (1914.)